

AMENDMENTS TO THE SPECIFICATION

In the title:

Please delete the title beginning on page 1, line 1, and replace it with the following:

ENDOSCOPE WITH ACTIVELY COOLED ILLUMINATION SOURCES

In the specification:

Please amend the paragraph beginning on page 23, line 29, as follows:

FIGURE 6E is a rear isometric view of the distal cap 450. The distal cap 450 is preferably precision molded out of an ABS plastic material. As indicated above, the front face of the distal cap 450 includes an integrated flush cap 456 and pair of windows 460 that are positioned in front of the LEDs. Preferably, the windows are made of a clear plastic material which are overmolded with the remainder of the distal cap 450. Also within the inside of distal cap 450 is a flat surface [[470]] 473 that extends proximally, thereby dividing the cylindrical inner surface of the distal cap into a semicircular tube into which the semicircular heat exchanger 480 assembly can be fitted. A protrusion 472 extends from the inside front face of the distal cap 450 and is aligned with a front face of the heat exchanger 480 to limit the extent to which the heat exchanger 480 can be inserted into the distal cap 450.

Please amend the paragraph beginning on page 24, line 12, as follows:

FIGURE 6G is a front isometric view of the heat exchanger 480 portion of the imaging assembly. As indicated above, the heat exchanger is a semicircular section having a relatively flat bottom surface 500 that mates with the flat surface [[470]] 473 in the inside of distal cap 450 and a rounded upper surface 502. The interior of the heat exchanger is generally hollow to form a channel 515 through which a cooling liquid or gas can be passed to cool the illumination LEDs. The concave recess 482 is formed in the bottom flat surface 500 of the heat exchanger to receive the cylindrical lens assembly 470, as shown in FIGURE 6C. Extending rearwardly from the heat

exchanger 480 are a pair of legs 506, 508 having holes therein that are fluidly connected to the interior of the heat exchanger 480. A lip 512 extends around the inside surface of the front face of the heat exchanger 482 to form a bonding surface on which a correspondingly shaped circuit board can be fitted and adhesively secured. In some embodiments of the invention, the heat exchanger 480 may further include additional rearwardly extending fins 514, 516 that positioned over the legs 506, 508 such that a slot is formed therebetween for securing a circuit board or other components to the heat exchanger. However, in some embodiments, the fins 514, 516 may be omitted.

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